

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of the claims in this application.

Listing of Claims:

Cancel claims 1-40.

41. (Original) A method for assembling a pressure actuated tubular switch assembly comprising the steps of:

a) providing a tubular sensor which includes a resiliently deformable lengthwise extending housing, the housing having an inner wall defining a lengthwise extending interior space, the tubular sensor having first and second conductive electrode films in opposing spaced apart relation and disposed lengthwise along respective portions of the inner wall, the housing being deformably movable between a biased open switch first position wherein the first and second conductive electrode films are spaced apart from each other, and a closed-switch second position wherein the first and second conductive electrode films are in electrical contact with each other;

b) providing a terminal plug assembly including at least one wire lead attached to a contact plate having first and second contact electrodes disposed respectively on opposite sides of the contact plate, and a malleable, deformable ferrule;

c) inserting the contact plate into an open end portion of the tubular sensor wherein the end portion of the tubular sensor is at least partially surrounded by the ferrule;

d) crimping the ferrule to a position wherein the end portion of the tubular sensor is compressed such that the first conductive electrode film is in electrical contact with the first contact electrode and the second conductive electrode film is in electrical contact with the second contact electrode.

42. (Original) The method of claim 41 wherein the housing of the tubular sensor is fabricated from green rubber.

43. (Original) The method of claim 41 wherein the ferrule is fabricated from metal or plastic.

44. (Original) The method of claim 41 wherein the step of crimping the ferrule comprises positioning the end portion of the tubular sensor in a containment vise and applying mechanical pressure to the ferrule.

45. (Original) The method of claim 41 further comprising the step of sealing an opposite end portion of the tubular sensor.

46. (New) The method of claim 44 wherein the step of applying mechanical pressure to the ferrule comprises contacting the ferrule with a forcing rod with sufficient force to crimp the ferrule.

47. (New) The method of claim 41 wherein the ferrule is fabricated from a malleable material selected from the group consisting of metal and plastic.